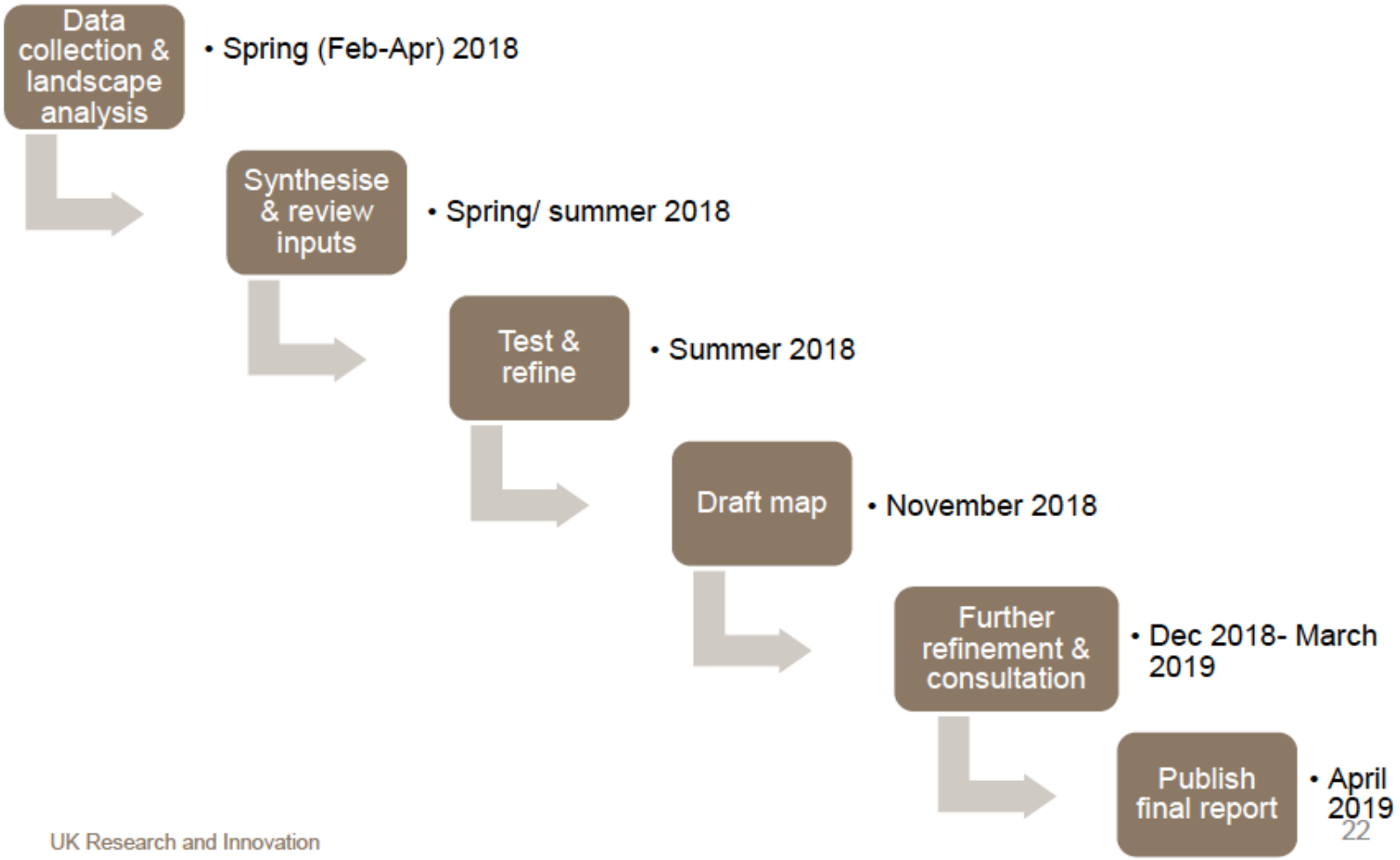
EPSRC eInfrastructure Panel (UK Research & Innovation)

- ToR – share operational **best practice** information between e-Infrastructures.
- ToR – opportunities to **integrate across systems** and effective alignment of services to strategic objectives.
- ToR – strategic input into **UKRI e-Infrastructure Strategy** (including informing the infrastructure roadmap as part of the 2018 UKRI strategy)

- Scope – Purpose / Accessibility / Scale and Longevity
- ESFRI approach – roadmap will be structured in the following sectors
  - Biological Sciences, Health & Food; Environment; Energy; Physical Sciences & Engineering; Social Sciences, Arts & Humanities; Computational & E-Infrastructure
  - Cross cutting themes need to be captured

EPSRC eInfrastructure Panel (UK Research & Innovation)

Timeline



UK Research and Innovation

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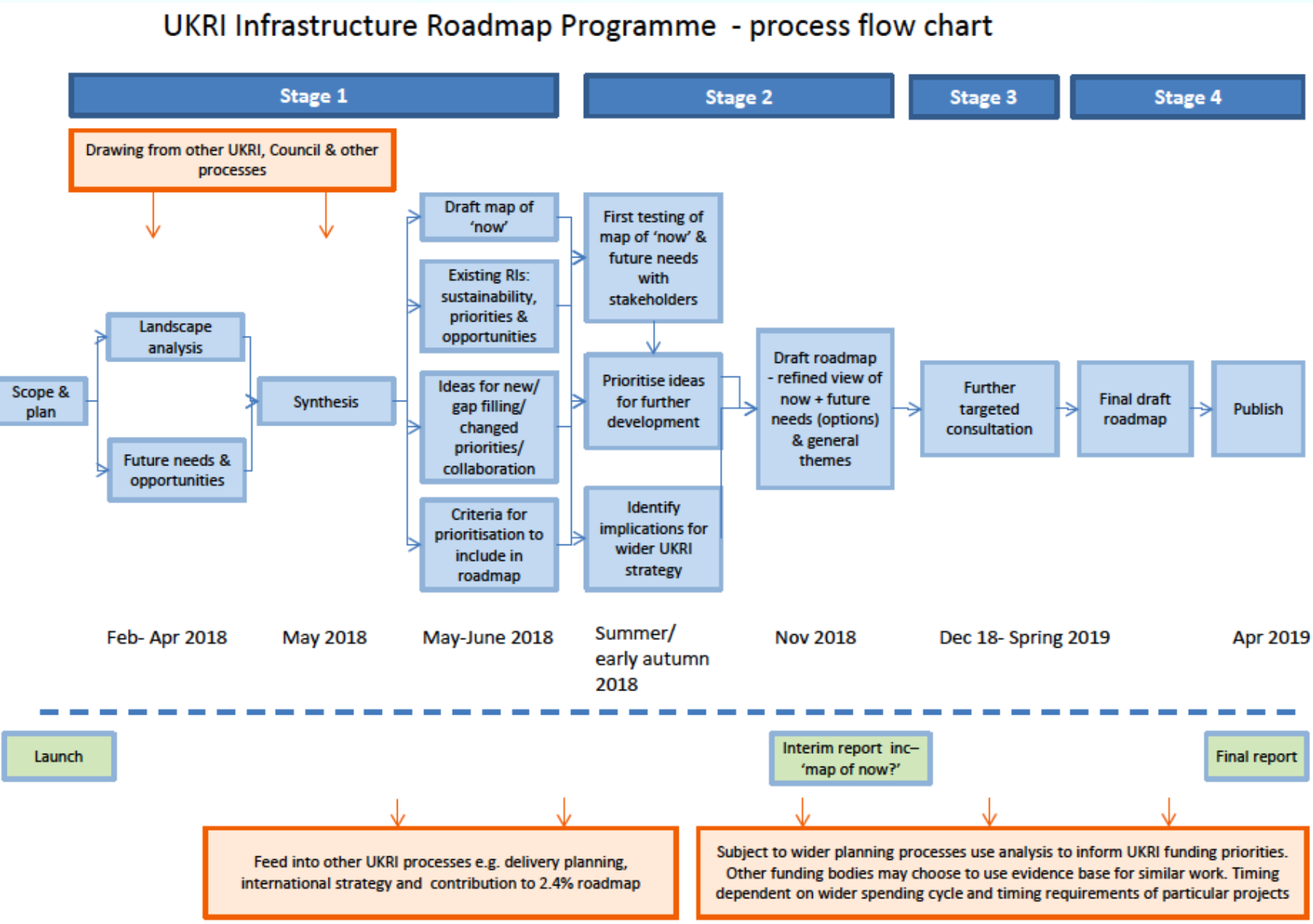
EPSRC eInfrastructure Panel (UK Research & Innovation)



EPSRC eInfrastructure Panel (UK Research & Innovation)

- UKRI eInfrastructure Survey
  - The `boundary condition` for entry on the roadmap is those facilities/services that are open for access to users from outside the home institution.
  - Systems that are only used by local users are **excluded**.
  - Roadmap will include a clear description of the whole ecosystem/landscape and the importance of the different tiers of e-infrastructure services/facilities in the whole system.
  - NeI survey, which gives a very good account of the big picture.
  - Survey reviewed for any service omissions
- Working Groups
  - Industrial Users
  - "Glue" (AAAI, networks, services, data governance)
  - Software (including DL – AI & ML)
  - Supercomputing & Cloud
  - Skills Gap

Computing Insight "Research Computing Delivers"

December 2018 – Manchester Central

Proposed Themes:

- Day 1, Morning Session
  - "Career Paths – Service Provision Roles"
- Day 1, Afternoon Session
  - "Working with Industry"
- Day 2, Morning Session
  - "Applications Science – emerging technologies and new software"
- Day 2, Afternoon Session
  - "Data Science – big data, AI, machine learning"

HPC-SIG: Research Computing Community – What do you need?

- **All embracing community**: Benefits for experienced as well as fostering new sites entering the field of HPC/Research Computing
  - Meet & Greet
  - Mentorship/Buddy Scheme
  - What are sites expectations from membership to the SIG?
- **Outreach & communication Strategy**
  - Moving with the times..
  - Promotion of the HPC-SIG to a wider audience (focused special interest groups)?
  - Embracing Social Media – should we?
    - Understand how this has aided other newer groups in attracting wider and diverse audiences (RSE network)
    - Lessons learnt in terms of new channels being adopted (SLACK Channels? Twitter / Facebook?)Opportunities to attract the next generation of service providers and PGR interest in the opportunities within service provision / support
    - Case Studies / SIG Report?

SIG – Possible Focussed Special Interest Groups?

- **Bridging the Skills Gaps** " Missing Middle"
  - Co-development of training for 'missing middle' / next generation of technical engineers (pilot programme?)
  - alignment with RSE workshops to promote widening engagement
- **Software Development Best Practices** – impact of Deep Learning and diverse user community support?
- **Secondment / Apprenticeship programme**
  - Using existing centres and vendor supported?
  - Interest in a Proof of Concept / Pilot programme?
- **Cloud and Datacentres**
  - possible sponsorship of events through Azure/AWS/POD to demonstrate their solutions and how they can complement on-premice and burst-out capabilities
- Options to use the SIG as a platform to **promotion of achievements platform**
  - particularly important for early stage career researchers
- Engagement and Communication Channels
- Awareness of **legislative regulations** on centralised services and support
  - FOI, GDPR, Research Council stipulations, NHS regulations etc.

HPC-SIG: Monitoring Success / Impact

- **Establishing a set of KPIs** that the success of the committee will be measured by.
- A starter for 10:
  - Community Growth and new sites
  - Communication channels tests and adopted/uptake
  - Number of sites attending SIG meetings
  - Marketing and Communications KPIs
  - Influence of the SIG and how many times we get involved in other initiatives and fostering relationships across the research computing domain (and outputs from these engagements/meetings)
  - Suppliers – fostering information facilitation across sites
  - Membership of the SIG into product roadmaps and design influence
  - Training and Facilitation of core materials – uptake and creation of new materials (assuming interest in establishing a special interest pilot for creating a pool of material)
  - Case Studies
  - Career paths in HPC and attracting the next generation – career in its own right with skills and accreditation (part of the outreach and engagement KPI)
  - Buddy system uptake?
  - Alignment with other SIGs (RSE / Datacentres / DiRAC etc.)?

Immediate HPC-SIG Challenges (GDPR….)

Future Meeting Bookings? Moving away from EventBrite

- Trailing to **Ti.To** – pilot to see how well it works
- https://ti.to/home

Community Group Emails

- **Mailchimp** being evaluated

- Need to consider membership and consent for information for each site.